

### Table ENG-3. - Building Site Development

Orange County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Ab:							
Albano	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Depth to hard bedrock Shrink-swell	0.77 0.50	Shrink-swell	0.50
AIA:							
Altavista	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
AIB:							
Altavista	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
						Slope	0.13
AIC2:							
Altavista	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Slope	0.88
						Depth to saturated zone	0.39
ApB:							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
ApB2:							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
ApC2:							
Appling	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
AuA:							
Augusta	85	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
Roanoke	5	Not Rated		Not Rated		Not Rated	

AuB:

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
AuB:							
Augusta	85	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
Be:							
Bermudian	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.35	Very limited Flooding	1.00
Rowland	3	Not Rated		Not Rated		Not Rated	
Bo:							
Bowmansville	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
BrC:							
Bremo	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.16	Very limited Depth to hard bedrock Slope	1.00 0.16	Very limited Slope Depth to hard bedrock	1.00 0.46
BrD:							
Bremo	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
BsB2:							
Bucks	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to soft bedrock	0.50 0.06	Somewhat limited Shrink-swell Slope	0.50 0.13
BsC2:							
Bucks	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope Depth to soft bedrock	0.50 0.37 0.06	Very limited Slope Shrink-swell	1.00 0.50
BtB2:							
Bucks	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to soft bedrock	0.50 0.06	Somewhat limited Shrink-swell Slope	0.50 0.13
BtC2:							
Bucks	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope Depth to soft bedrock	0.50 0.37 0.06	Very limited Slope Shrink-swell	1.00 0.50

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
BuC3:							
Bucks	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
				Depth to soft bedrock	0.06		
Bw:							
Buncombe	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
CaB:							
Calverton	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
		Shrink-swell	0.50	Depth to thin cemented pan	0.95	Shrink-swell	0.50
				Shrink-swell	0.50	Slope	0.13
Albano	3	Not Rated		Not Rated		Not Rated	
CbB:							
Calverton	60	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
		Shrink-swell	0.50	Depth to thin cemented pan	0.95	Shrink-swell	0.50
				Shrink-swell	0.50	Slope	0.13
Creedmoor	30	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.77	Depth to saturated zone	1.00	Depth to saturated zone	0.77
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
						Slope	0.13
Albano	3	Not Rated		Not Rated		Not Rated	
CcC:							
Catoctin	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.97	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.16	Slope	0.16	Depth to hard bedrock	0.97
CcD:							
Catoctin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Depth to hard bedrock	1.00	Depth to hard bedrock	0.97
CdD:							
Catoctin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Slope	1.00	Depth to hard bedrock	0.97

CdE:

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CdE:							
Catoclin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Depth to hard bedrock	1.00	Depth to hard bedrock	0.97
CeB2:							
Cecil	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
CeC2:							
Cecil	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
CmB2:							
Cecil	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
CmC2:							
Cecil	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
CsC3:							
Cecil	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00
Cw:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Wehadkee	5	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
CxB:							
Colfax	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00
						Slope	0.13
Worsham	3	Not Rated		Not Rated		Not Rated	
Cy:							
Comus	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Cz:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Cz:							
Comus	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
DaB2:							
Davidson	85	Not limited		Not limited		Somewhat limited Slope	0.13
DaC2:							
Davidson	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
DaD2:							
Davidson	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
DcC:							
Davidson	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
DcD:							
Davidson	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
DcE:							
Davidson	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
DdB3:							
Davidson	85	Not limited		Not limited		Somewhat limited Slope	0.13
DdC3:							
Davidson	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
DdD3:							
Davidson	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
DkB2:							
Dyke	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
DkC2:							
Dyke	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
Eb:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Eb:							
Elbert	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Ee:							
Elbert	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
EIB2:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EIC2:							
Elioak	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EmB3:							
Elioak	85	Not limited		Not limited		Somewhat limited Slope	0.13
EmC3:							
Elioak	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
EsB:							
Elsinboro	85	Not limited		Somewhat limited Depth to saturated zone	0.16	Somewhat limited Slope	0.13
EsB2:							
Elsinboro	85	Not limited		Somewhat limited Depth to saturated zone	0.16	Somewhat limited Slope	0.13
EsC2:							
Elsinboro	85	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to saturated zone	0.37 0.16	Very limited Slope	1.00
FaB2:							
Fauquier	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to soft bedrock	0.50 0.02	Somewhat limited Shrink-swell Slope	0.50 0.13
FaC2:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
FaC2:							
Fauquier	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
				Depth to soft bedrock	0.02		
FcC3:							
Fauquier	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.02		
FIB:							
Fluvanna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
FIB2:							
Fluvanna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
FIC2:							
Fluvanna	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
GIB2:							
Glenelg	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
GIC2:							
Glenelg	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
GrB2:							
Grover	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
GrC2:							
Grover	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
GsC3:							
Grover	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
HaC:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
HaC:							
Hazel	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
HaD:							
Hazel	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
HeB:							
Helena	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
						Slope	0.13
HeC2:							
Helena	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Slope	0.50
						Depth to saturated zone	0.39
HsB:							
Hiwassee	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
HsB2:							
Hiwassee	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
HsC2:							
Hiwassee	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
HwC3:							
Hiwassee	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.16	Slope	0.16	Slope	1.00
KID:							
Klinesville	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
KIE:							
Klinesville	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
LgB:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LgB:							
Lignum	85	Somewhat limited Depth to saturated zone	0.81	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone Slope	0.81 0.13
Worsham	3	Not Rated		Not Rated		Not Rated	
LIB2:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LIC2:							
Lloyd	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LmB3:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
LmC3:							
Lloyd	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
LmD3:							
Lloyd	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
LoC:							
Louisburg	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.16	Very limited Depth to hard bedrock Slope	1.00 0.16	Very limited Slope Depth to hard bedrock	1.00 0.46
LoC2:							
Louisburg	85	Somewhat limited Depth to hard bedrock Slope	0.46 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.46
LoD:							
Louisburg	85	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
LoD2:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LoD2:							
Louisburg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
MaB2:							
Madison	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
MaC2:							
Madison	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
MdC3:							
Madison	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
MnB:							
Manassas	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	1.00	Slope	0.13
MoD:							
Manor	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
MrB:							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Content of large stones	0.01	Content of large stones	0.01	Slope	0.13
						Content of large stones	0.01
MrC:							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
		Content of large stones	0.01	Content of large stones	0.01	Content of large stones	0.01
MrD:							
Manteo	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Content of large stones	0.01	Content of large stones	0.01	Content of large stones	0.01
MrE:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
MrE:							
Manteo	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Content of large stones	0.01	Content of large stones	0.01	Content of large stones	0.01
MsB:							
Masada	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
MsB2:							
Masada	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
MsC2:							
Masada	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
MtC3:							
Masada	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
MuB:							
Mayodan	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
MuB2:							
Mayodan	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
MuC2:							
Mayodan	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
MvB2:							
Mecklenburg	85	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.13
MvC2:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
MvC2:							
Mecklenburg	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Slope	0.37	Slope	1.00
		Slope	0.37			Shrink-swell	0.50
Mx:							
Mixed alluvial land	85	Not Rated		Not Rated		Not Rated	
Wehadkee	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
MyB2:							
Myersville	85	Not limited		Somewhat limited		Somewhat limited	
				Depth to soft bedrock	0.01	Slope	0.13
MyC2:							
Myersville	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
				Depth to soft bedrock	0.01		
NaB2:							
Nason	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
NaC2:							
Nason	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
NsB:							
Nason	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
NsB2:							
Nason	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
NsC:							
Nason	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
NsC2:							
Nason	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
NsD2:							
Nason	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
NtC3:							
Nason	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
OgA:							
Orange variant	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
				Depth to hard bedrock	0.08		
				Depth to soft bedrock	0.03		
Elbert	5	Not Rated		Not Rated		Not Rated	
OgB:							
Orange variant	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
				Depth to hard bedrock	0.08	Slope	0.13
				Depth to soft bedrock	0.03		
OgB2:							
Orange variant	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
				Depth to hard bedrock	0.08	Slope	0.13
				Depth to soft bedrock	0.03		
OgC2:							
Orange variant	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.39
				Depth to hard bedrock	0.08		
OrA:							
Orange	70	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
				Depth to hard bedrock	0.08		
Iredell	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.98	Shrink-swell	1.00	Depth to saturated zone	0.98
				Depth to hard bedrock	0.26		

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
OrA: Elbert	3	Not Rated		Not Rated		Not Rated	
OrB: Orange	60	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone Depth to hard bedrock	1.00 0.08	Somewhat limited Depth to saturated zone Slope	0.39 0.13
Iredell	35	Very limited Shrink-swell Depth to saturated zone	1.00 0.98	Very limited Depth to saturated zone Shrink-swell Depth to hard bedrock	1.00 1.00 0.26	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.98 0.13
OrB2: Orange	60	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone Depth to hard bedrock	1.00 0.08	Somewhat limited Depth to saturated zone Slope	0.39 0.13
Iredell	30	Very limited Shrink-swell Depth to saturated zone	1.00 0.98	Very limited Depth to saturated zone Shrink-swell Depth to hard bedrock	1.00 1.00 0.26	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.98 0.13
PeB: Penn	85	Not limited		Somewhat limited Depth to soft bedrock	0.64	Somewhat limited Slope	0.13
PeC: Penn	85	Somewhat limited Slope	0.37	Somewhat limited Depth to soft bedrock Slope	0.64 0.37	Very limited Slope	1.00
PkC: Pinkston	85	Somewhat limited Slope Depth to hard bedrock	0.37 0.10	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.10
PkD: Pinkston	85	Very limited Slope Depth to hard bedrock	1.00 0.10	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.10
RaB2: Rabun	85	Not limited		Somewhat limited Depth to soft bedrock	0.32	Somewhat limited Slope	0.13

### Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
RaC2:							
Rabun	85	Somewhat limited Slope	0.37	Somewhat limited Slope Depth to soft bedrock	0.37 0.32	Very limited Slope	1.00
RaD2:							
Rabun	85	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.32	Very limited Slope	1.00
RaE2:							
Rabun	85	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.32	Very limited Slope	1.00
RcD3:							
Rabun	85	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.32	Very limited Slope	1.00
RdB2:							
Rapidan	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell Slope	0.50 0.13
RdC2:							
Rapidan	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Slope	0.37	Very limited Slope Shrink-swell	1.00 0.50
ReC3:							
Rapidan	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Slope	0.37	Very limited Slope Shrink-swell	1.00 0.50
Rk:							
Roanoke	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50
RnC:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RnD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RoC:							
Rock land	85	Not Rated		Not Rated		Not Rated	

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
RoE:							
Rock land	85	Not Rated		Not Rated		Not Rated	
Rw:							
Rowland	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
Bowmansville	3	Not Rated		Not Rated		Not Rated	
SeB:							
Seneca	85	Not limited		Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.13
SrC:							
Starr	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell Slope	0.50 0.13
StA:							
State	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
TaB2:							
Tatum	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to hard bedrock Shrink-swell	0.71 0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
TaC2:							
Tatum	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Depth to hard bedrock Shrink-swell Slope	0.71 0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
TsB:							
Tatum	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to hard bedrock Shrink-swell	0.71 0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
TsB2:							
Tatum	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to hard bedrock Shrink-swell	0.71 0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
TsC:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
TsC:							
Tatum	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to hard bedrock	0.71	Slope	1.00
		Slope	0.37	Shrink-swell	0.50	Shrink-swell	0.50
				Slope	0.37		
TsC2:							
Tatum	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to hard bedrock	0.71	Slope	1.00
		Slope	0.37	Shrink-swell	0.50	Shrink-swell	0.50
				Slope	0.37		
TtB3:							
Tatum	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to hard bedrock	0.71	Shrink-swell	0.50
				Shrink-swell	0.50	Slope	0.13
TtC3:							
Tatum	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to hard bedrock	0.71	Slope	1.00
		Slope	0.37	Shrink-swell	0.50	Shrink-swell	0.50
				Slope	0.37		
TuB:							
Turbeville	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
TuB2:							
Turbeville	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
TuC2:							
Turbeville	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
VaB:							
Vance	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
VaB2:							
Vance	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
W:							
Water	100	Not Rated		Not Rated		Not Rated	
WaB2:							

# Table ENG-3. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
WaB2:							
Wadesboro	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
WaC2:							
Wadesboro	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
WaD2:							
Wadesboro	85	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
WbB:							
Watt	85	Very limited Depth to hard bedrock	1.00	Very limited Depth to hard bedrock	1.00	Very limited Depth to hard bedrock Slope	1.00 0.13
WbC:							
Watt	85	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 1.00
WbD:							
Watt	85	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00
We:							
Wehadkee	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
WkC:							
Wilkes	85	Somewhat limited Depth to soft bedrock Depth to hard bedrock Shrink-swell	1.00 0.79 0.50	Very limited Depth to hard bedrock Depth to soft bedrock Shrink-swell	1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Depth to hard bedrock	1.00 1.00 0.79
WkD:							
Wilkes	85	Very limited Slope Depth to soft bedrock Depth to hard bedrock	1.00 1.00 0.79	Very limited Slope Depth to hard bedrock Depth to soft bedrock	1.00 1.00 1.00	Very limited Slope Depth to soft bedrock Depth to hard bedrock	1.00 1.00 0.79
WoB:							

**Table ENG-3. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
WoB:							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
X:							
Quarries	85	Not Rated		Not Rated		Not Rated	
YoB:							
York	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Slope	0.13
				Depth to thin cemented pan	0.84	Depth to saturated zone	0.07
ZoB:							
Zion	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to hard bedrock	1.00	Slope	0.13
ZoC2:							
Zion	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Depth to hard bedrock	1.00	Slope	1.00
				Slope	0.37		